Claims:

1.   A system for the concurrent operation of plural computer applications, each said computer application operating in its own virtual machine, said system comprising;

(a)   a shared object space selectively connectable to each said plural computer application, said shared object space capable of storing a plurality of objects accessible to each said plural computer application when connected to said shared object space; and

(b)   a queue associated with said shared object space and capable of storing references to individual said objects received from at least one of said plural computer applications and capable of releasing said references stored in said queue to at least one of said plural computer applications.

2.   The system of claim 1 where said queue is a predefined type.

3.   The system of claim 1 where said queue is customized.

4.   The system of claim 1 where said queue is a "first-in-first-out" queue

5.   The system of claim 1 where said queue is a "last-in-first-out" queue.

6.   The system of claim 1 where each said virtual machine is a Java virtual machine.

7.   The system of claim 6 where said shared object space is connected to each said virtual machine through a Java Native Method Interface.

8.   The system of claim 7 where said system includes a default directory with a native language library file.

9.   The system of claim 1 where said shared object space is operably connectable to a non-object-oriented application.

10.   The system of claim 9 where said non-object oriented program is a "C" program.

11.   The system of claim 1 where access to said at least one object by said plural computer applications is synchronized.

12.   The system of claim 1 where said shared object space is operably connectable to a Sun Microsystems virtual machine.

13.   The system of claim 1 where said plural computer applications pertain to at least one of:

      (a)   stock trading;

      (b)   communications processing; and

      (c)   internet services.

14.   The system of claim 1 where said at least one object is copy shared among said plural applications.

15.   The system of claim 1 where said at least one object is direct shared among said plural applications.

16.   A system for the concurrent operation of plural computer applications, each said computer application operating in its own virtual machine, said system comprising;

      (a)   a shared object space selectively connectable to each said plural computer application, said shared object space capable of storing a plurality of objects accessible to each said plural computer application when connected to said shared object space;

      (b)   a queue associated with said shared object space and capable of storing references to individual said objects received from at least one of said plural computer applications and capable of releasing said references stored in said queue to at least one of said plural computer applications; and

      (c)   said queue receiving said references from a first set of said applications and releasing said references to a second set of applications.

17.   The system of claim 16 where said queue is a predefined type.

18.   The system of claim 16 where said queue is customized.

19.   The system of claim 16 where said queue is a "first-in-first-out" queue

20.   The system of claim 16 where said queue is a "last-in-first-out" queue.

21.   The system of claim 16 where each said virtual machine is a Java virtual machine.

22.   The system of claim 21 where said shared object space is connected to each said virtual machine through a Java Native Method Interface.

23.   The system of claim 22 where said system includes a default directory with a native language library file.

24.   The system of claim 16 where said shared object space is operably connectable to a non-object-oriented application.

25.   The system of claim 24 where said non-object oriented program is a "C" program.

26.   The system of claim 16 where access to said at least one object by said plural computer applications is synchronized.

27.   The system of claim 16 where said shared object space is operably connectable to a Sun Microsystems virtual machine.

28.   The system of claim 16 where said plural computer applications pertain to at least one of:

        (a)   stock trading;

(b)   communications processing; and

(c)   internet services.

29.   The system of claim 16 where said at least one object is copy shared among said plural applications.

30.   The system of claim 16 where said at least one object is direct shared among said plural applications.

31.   A system for the concurrent operation of plural computer applications, each said computer application operating in its own virtual machine, said system comprising;

(a)   a shared object space selectively connectable to each said plural computer application, said shared object space capable of storing a plurality of objects accessible to each said plural computer application when connected to said shared object space;

(b)   a queue associated with said shared object space and capable of storing references to individual said objects received from at least one of said plural computer applications and capable of releasing said references stored in said queue to at least one of said plural computer applications; and

(c)   said at least one application both storing said references in said queue and receiving said references from said queue.

32.   The system of claim 1 where said queue is a predefined type.

33.   The system of claim 1 where said queue is customized.

34.   The system of claim 1 where said queue is a "first-in-first-out" queue

35.   The system of claim 1 where said queue is a "last-in-first-out" queue.

36.   The system of claim 1 where each said virtual machine is a Java virtual machine.

37.   The system of claim 6 where said shared object space is connected to each said virtual machine through a Java Native Method Interface.

38.   The system of claim 7 where said system includes a default directory with a native language library file.

39.   The system of claim 1 where said shared object space is operably connectable to a non-object-oriented application.

40.   The system of claim 9 where said non-object oriented program is a "C" program.

41.   The system of claim 1 where access to said at least one object by said plural computer applications is synchronized.

42.   The system of claim 1 where said shared object space is operably connectable to a Sun Microsystems virtual machine.

43.   The system of claim 1 where said plural computer applications pertain to at least one of:
         (a)   stock trading;
         (b)   communications processing; and
         (c)   internet services.

44.   The system of claim 1 where said at least one object is copy shared among said plural applications.

45.   The system of claim 1 where said at least one object is direct shared among said plural applications.